

#### Specifications:

- 3 rows of 10 in portrait
- 60-cell module
- 90MPH
- 30PSF
- Exposure B
- 30' roof height
- 27-degree roof slope
- Roof Zone 1
- 24" rafter spacing

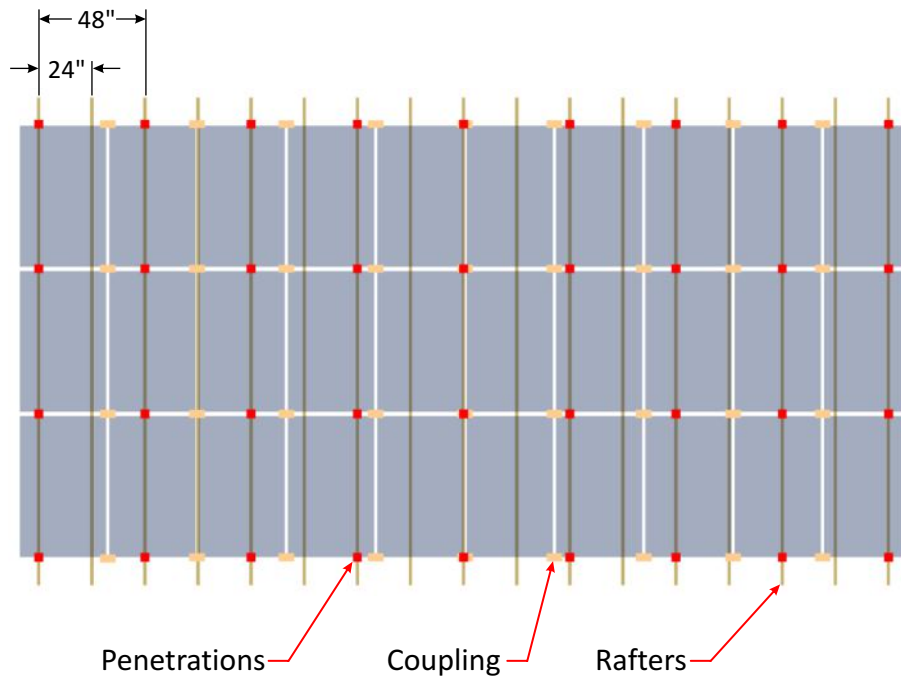
**EcoX = 33% fewer penetrations**

Uphill



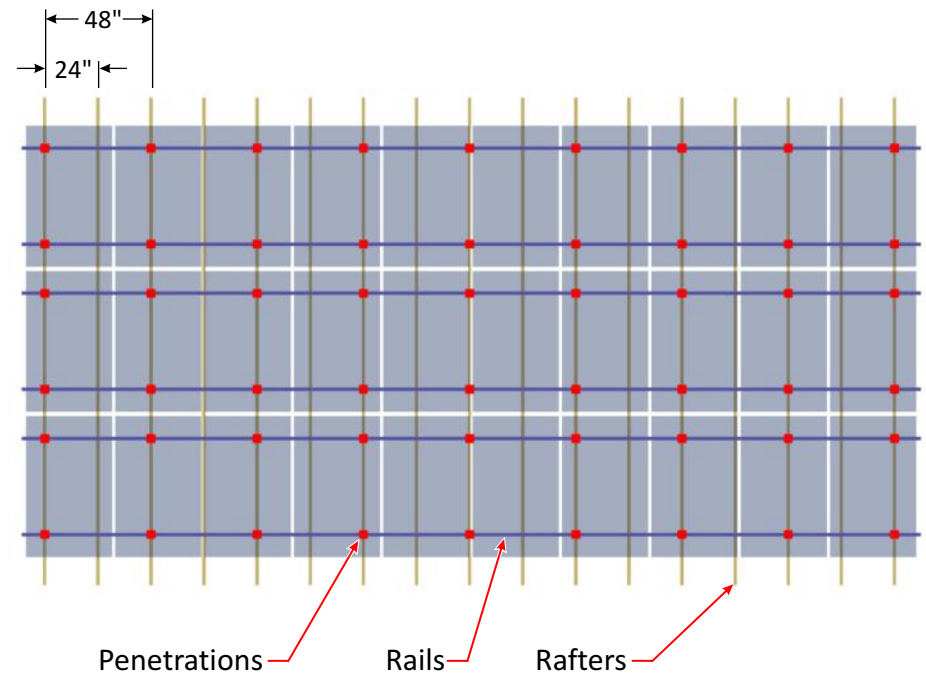
#### EcoX

36 Penetrations (48" on center)



#### Traditional Rail Based System

54 Penetrations (48" on center)



# Rooftop Penetrations

## EcoX vs. Traditional Rail Based System

### Case Study 2 - Landscape

#### Specifications:

- 5 rows of 6 in landscape
- 60-cell module
- 90MPH
- 30PSF
- Exposure B
- 30' roof height
- 27-degree roof slope
- Roof Zone 1
- 24" rafter spacing

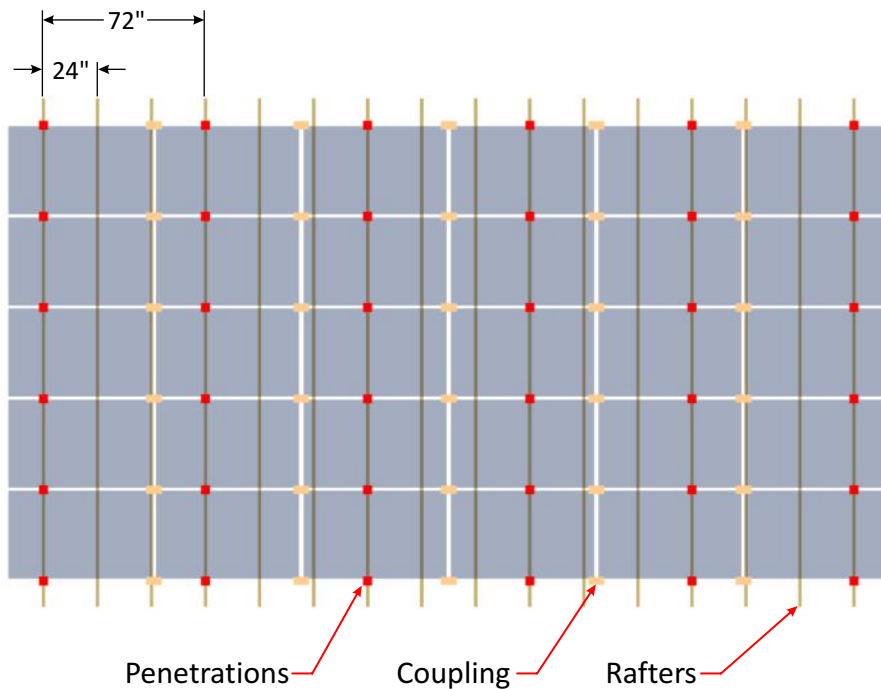
**EcoX = 40% fewer penetrations**

Uphill



#### EcoX

36 Penetrations (72" on center)



#### Traditional Rail Based System

60 Penetrations (72" on center)

